	Application No.	Applicant(s)	
Notice of Allowability	10/016,483	SOANE ET AL.	
	Examiner	Art Unit	
	ALEX NOGUEROLA	1753	
The MAILING DATE of this communication at All claims being allowable, PROSECUTION ON THE MERITS nerewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1	S IS (OR REMAINS) CLOSED in table -85) or other appropriate communing TRIGHTS. This application is su	this application. If not incl nication will be mailed in d	uded ue course. THIS
This communication is responsive to <u>04/04/2005</u> .		·	
2. ☑ The allowed claim(s) is/are <u>31-37</u> .			
3. $igotimes$ The drawings filed on <u>10 December 2001</u> are accepted	d by the Examiner.		•
4. Acknowledgment is made of a claim for foreign priori a) All b) Some* c) None of the: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DA noted below. Failure to timely comply will result in ABANDO THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which 6. CORRECTED DRAWINGS (as "replacement sheets")	nave been received. nave been received in Application of this communication to file a DNMENT of this application. ubmitted. Note the attached EXAM gives reason(s) why the oath or communication.	No in this national stage appl a reply complying with the MINER'S AMENDMENT of declaration is deficient.	requirements
(a) ☐ including changes required by the Notice of Drafts		(PTO-948) attached	
 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Exami Paper No./Mail Date 	•	n the Office action of	
Identifying indicia such as the application number (see 37 C each sheet. Replacement sheet(s) should be labeled as such			the back) of
 DEPOSIT OF and/or INFORMATION about the d attached Examiner's comment regarding REQUIREME 	eposit of BIOLOGICAL MATER	RIAL must be submitted	d. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-9-3) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/9-2) Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Depo-	48) 6. ⊠ Interview Sur Paper No./M SB/08), 7. ⊠ Examiner's A	lail Date mendment/Comment statement of Reasons for A	



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DETAILED ACTION

EXAMINER'S AMENDMENT

1. The application has been amended as follows:

a) on page 1 of the specification lines 4-10 have been replaced with --

This application is a continuation of U.S. Patent Application Serial No. 09/479,503, filed January 07, 2000, now U.S. Patent No. 6,413,400, which is a continuation of U.S. Patent Application Serial No. 08/974,372, filed November 19, 1997, now U.S. Patent No. 6,093,296, which is a continuation of U.S. Patent Application Serial No. 08/615,642, filed March 13, 1996, now U.S. Patent No. 5,750,015, which is a continuation-in-part of U.S. Patent Application Serial No. 08/430,134, filed April 26, 1995, now abandoned, which is a continuation of U.S. Patent Application Serial No. 08/196,763, filed February 14, 1994, now abandoned, which is a continuation of U.S. Patent Application Serial No. 07/880,187, filed May 7, 1992, now abandoned, which is a continuation of U.S. Patent Application Serial No. 07/487,021, filed February 28, 1990, now U.S.

Patent No. 5,126,022. --

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b) Page 2 of the specification, line 1 has been replaced with – BACKGROUND OF THE INVENTION --;

- c) Page 3 of the specification, lines 1 and 2 have been replaced with
- Traditional electrophoretic media are large in dimension, being on the order of
 mm. A recent development in the field of electrophoretic technology is high -;
- d) Page 4 of the specification, lines 1 and 2 have been replaced with
 --charged molecules in order to move the charged molecules in a precise and
 controlled fashion. The movement of the electrical fields can be accurately –;
- e) Page 5 of the specification, lines 1 and 2 have been replaced with

 -- fashion in response to a plurality of different electrical fields, which fields are

 preferably generating forces which vary in time and space simultaneously. —;
- f) Page 6 of the specification, lines 1 and 2 have been replaced with
- -- DETAILED DESCRIPTION OF THE INVENTION

 Before the present device and method for moving charged particles within a -;

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- g) Page 7 of the specification, lines 1 and 2 have been replaced with
- -- used in connection with analytical separation techniques. For example, polyacrylamide gel used in PAGE analytical procedures is extremely useful in –;
- h) Page 8 of the specification, lines 1 and 2 have been replaced with

 --fashion, thus obtaining analytical resolution of different types of molecules to a

 degree far beyond that of conventional techniques. —;
- i) Page 9 of the specification, lines 1 and 2 have been replaced with
- -- The Card 1 having the Trench 2 and electrode connections 4-10 thereon can be produced by a variety f different techniques known to those skilled in the art. –
- j) Page 10 of the specification, lines 1 and 2 have been replaced with
- -- The greater the number of electrodes, the less voltage which needs to be supplied to each electrode and the more accurately it is possible to control the motion of the --;

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- k) Page 11 of the specification, lines 1 and 2 have been replaced with
- -- the medium at different rates based on factors such as size, shape and charge of the particles being moved through the medium. -;
- I) Page 12 of the specification, lines 1 and 2 have been replaced with
- -- provided so as to obtain the best possible resolution with respect to separating various types of charged particles from one another. —;
- m) Page 13 of the specification, lines 1 and 2 have been replaced with
- -- filtration and many of the tedious operations which are mechanical in nature and necessary in connection with conventional sequencing methodologies. -;
- n) Page 14 of the specification, lines 1 and 2 have been replaced with
- -- and 42, respectively, the middle branch entry and exit ports 44 and 46, respectively, and the lower branch, 48 and 50, respectively. The ports 36 and 38 –; and
- o) Page 15 of the specification, lines 1 and 2 have been replaced with
- -- for moving sample and reactants in various directions by appropriately biasing individual electrodes, with different pairs of electrodes being used. For example, --.

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Allowable Subject Matter

2. Claims 31-37 are allowed.

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to ALEX NOGUEROLA whose telephone number is (571) 272-

1343. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, NAM NGUYEN can be reached on (571) 272-1342. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alex Noguerola

Primary Examiner

AU 1753

June 1, 2005